SHIPMAIN

Module 1: An Overview of the SHIPMAIN Modernization Planning Process

SHIPMAIN Overview

SHIPMAIN is a Navy-wide initiative to create a surface ship maintenance and modernization program that will support the vision of “Sea Power 21” and its “Culture of Readiness” (COR). Included in the program are:

1. Requirements: Beginning with inputs from the fleet or the Alts & MODs process and ending with documentation to planning organizations;
2. Package Prep: Beginning at planning organizations and ending with approved and funded work package specs to contracting organizations;
3. Placement & Oversight: Beginning with funded work package specs and ending with contract awarded and contract admin work completed with the 2K closed in the CSMP;
4. Alts & MODS: Beginning with an idea and ending with scheduled installation into an avail.

Senior Leadership Deeply Involved

SHIPMAIN PIT

CNSF 00 – CEO

NAVSEA	VADM CNAF
RADM CNO N43	RADM PEO Ships
RADM CNSL 00	RADM SEA 05
RADM PEO Carriers	SES PEO C4I
RADM MINEWARCOM	RDML SEA07
RDML CNSL	RDML CNO N75
RDML CNO N43B	RDML SG 9
RDML CPF N43	RADM N76
SES CPF N43B	RDML NAVICP
SES SPAWAR	RADM PEO IWS

COO: RADM CLF N43 **Thomas Group**

Process Team

Leader: RADM FFC N43
AO: SES FFC N43

Communications Team

Leader: NAVSEA PAO

Metrics Team

CFT1 'Maintenance Requirements'

Leader: CNSL N00
AO: CNSF O-6

CFT2 'Package Preparation'

Leader: RDML CPF N43
AO: O-6 CNSF

CFT3 'Placement & Oversight'

Leader: RDML CNO N43
AO: O-6 CNSF

CFT4 'Alt and Mods'

Leader: RADM SEA 05/PEO CARRIERS
AO: O-6 PEO SHIPS

Overall SHIPMAIN Maintenance and Modernization Goals

- **Install a common planning process for surface ship maintenance and alterations**
- **Increase the efficiency of the process without compromising its effectiveness**
- **Install a disciplined management process with objective measurements**
- **Institutionalize the process and a continuous improvement method**

Note: The C5IMP process will be aligned and eventually absorbed within the Entitled Process in FY06 via a two-phased approach.

Phase I (FY05): Institute new C5I changes via SCD and single authoritative database (NDE-NM); EccB Processes, C5I BRB and Scheduling conferences remain unchanged

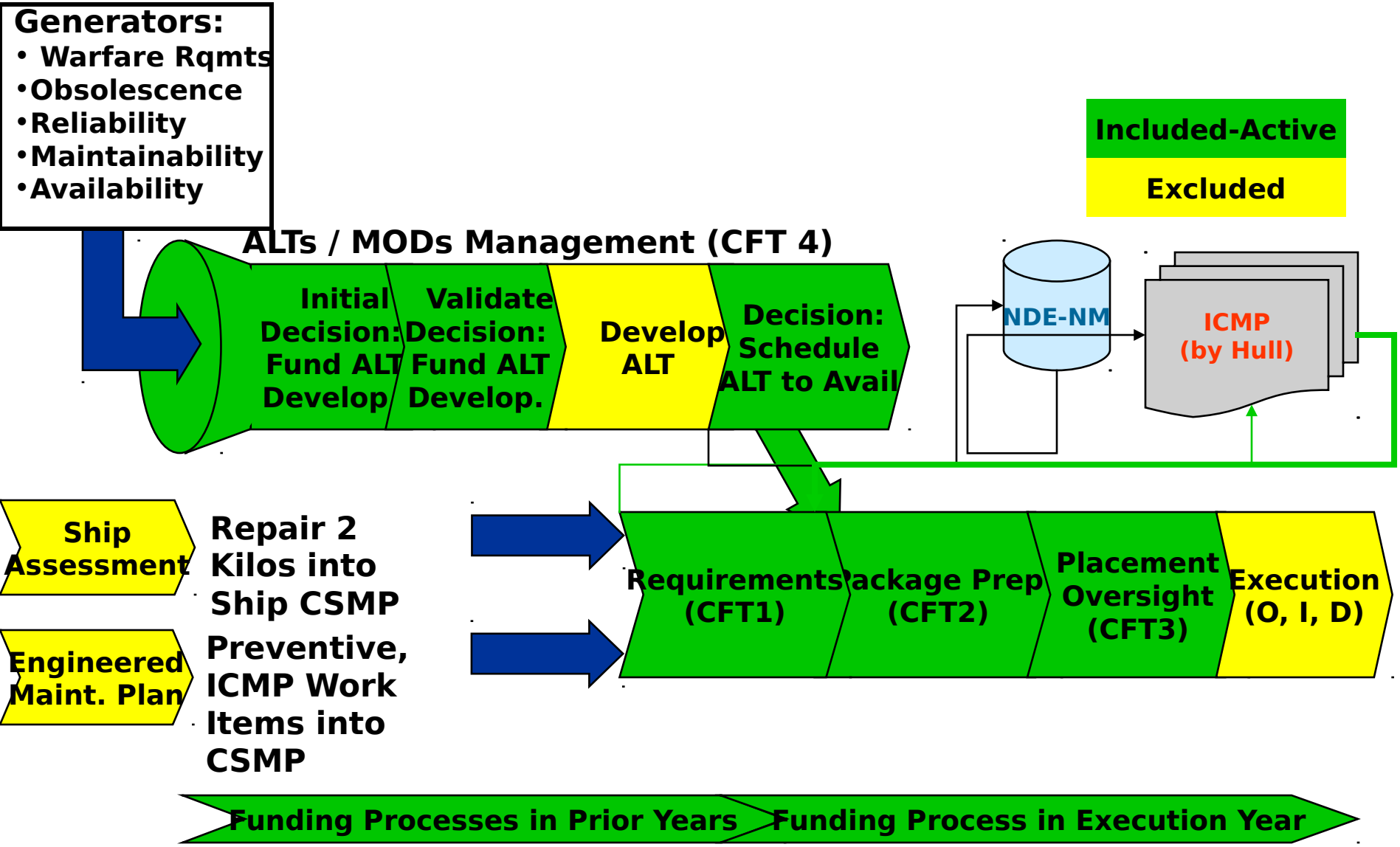
Phase II: Align, absorb and consolidate existing C5IMP meetings, documentation, data mines (NTIRA), and overall process into SHIPMAIN

Vision of Entitlement for Alterations and Modifications (Entitled Process)

- **Single universal streamlined process**
- **Continuous focus on maintenance with dedicated maintenance teams**
- **Funding stability to execute business plans**
- **Maintenance supported through long term win-win relationships with contractors in MSMO contracts**
- **Executing activity does the planning**
- **All modernization that is approved gets funded, procured and installed within 3 years**
- **Metrics will drive performance and process will improve as cycles of learning are applied**

Focused on Surface Ships and Aircraft Carriers (including the installation of systems to support new or existing aircraft); Shore Installation Planning excluded except for cases when conjunctive installation required to support ships. Submarine involvement in EP anticipated FY06

SHIPMAIN – Consistent Scope



Entitled Process Process Key Factors

- **Collapse 40+ alteration types into 2 (Fleet and Program)**
- **Institutionalize a single, disciplined, hierarchical decision making process**
- **Develop a balanced Modernization Plan for Surface Ships**
- **Create a single, authoritive Database for Ship Changes**
- **Entitled MP Process will accommodate Acquisition Programs**
- **Zero the Churn**
- **Install what we buy within 3 years.**

Single Process/Single Database

40

- Engineering Change Proposal (ECP)/EC
- ORDALT
- Field Changes
- MACHALT
- AERs
- K-ALT
- D-ALT
- F-ALT
- Computer Program Updates
- TEMPALT

And others.....

JCF

ECP

SAR

Key elements of JCF, ECP and SAR

Captured in the SCD

2

- Program
- Fleet

NDE-NM

SCD Phase I
Phase II
Phase IIA
Phase III

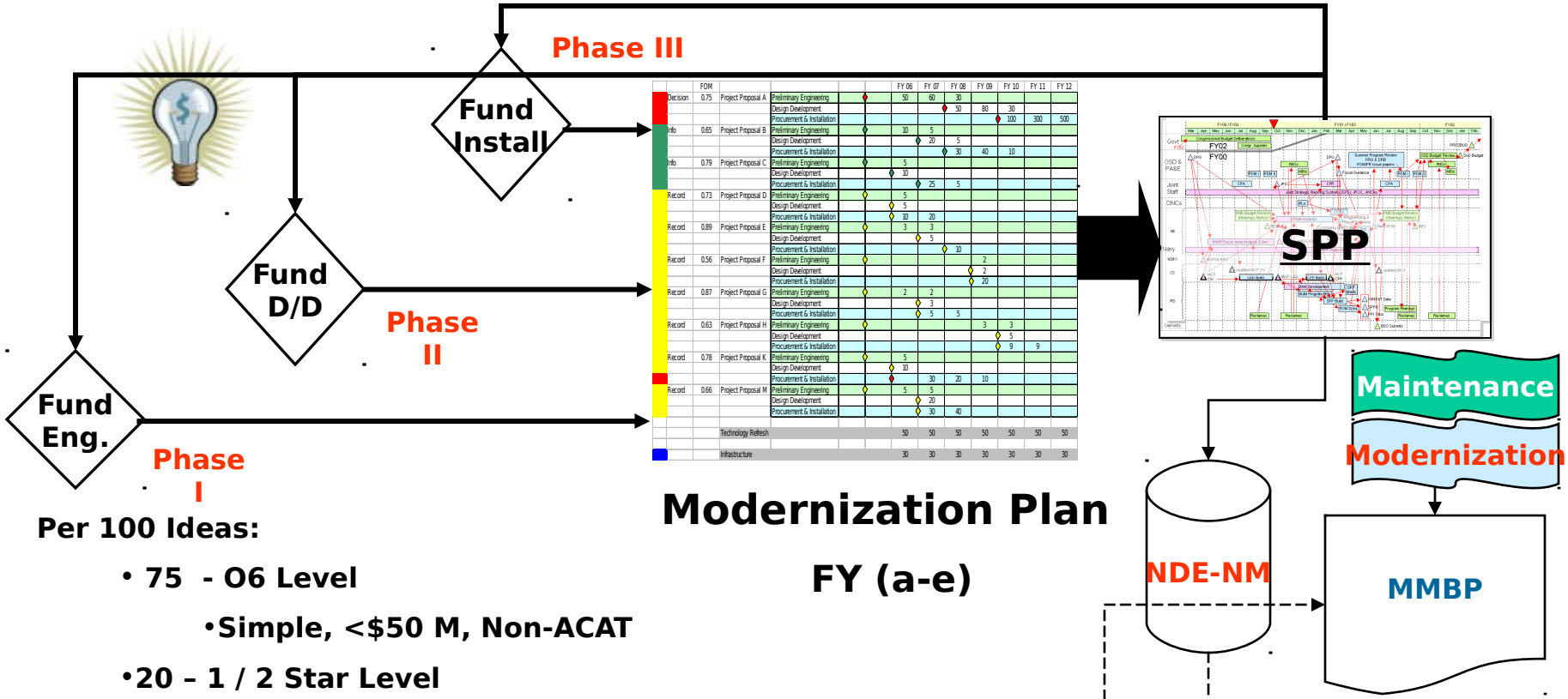
Decision Stakeholder Roles & Responsibilities

- **3 Star**
  - Set over all priorities
  - Approve Surface Ship Modernization Plan POM Submission
  - Validates 1 / 2 Star Decisions
  - Provides Fleet/OPNAV/Claimant recommendation to ACAT I and some ACAT II Program Milestone Decision Authority
- **1 / 2 Star**
  - Validates O6 Decisions
  - Adjudicates O6 Board Issues
  - Provides Fleet/OPNAV/Claimant recommendation to some ACAT II and ACAT III and below Program Milestone Decision Authority
- **O6**
  - Approves Fleet Alterations
  - Majority of Decisions made at O6 Board
  - Staff Decisions for higher level

Note: Program Alterations are approved at the appropriate level based upon threshold and ACAT designation

Annual Modernization Program Development

Annual Programming and Process Guidance



Modernization Plan

FY (a-e)

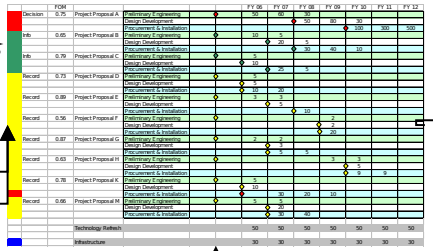
Per 100 Ideas:

- **75 - O6 Level**
  - **Simple, <$50 M, Non-ACAT**
- **20 – 1 / 2 Star Level**
  - **Complex, >$50 M - <$200 M, ACAT III, IV**
- **5 – 3 Star Level**
  - **Fleet Wide, >$ 200 M, ACAT I, II**
  - **Final MP Approval**

Ship Changes once approved, constitute inputs to the Navy's Modernization Plan which then become part of the CNO's Sponsor Program Proposal (SPP) and the President's Budget

Module 1

Modernization Plan



CNO Sponsors Program Proposal (SPP

O-6 Flags

Decision Board

Recommendation to MDA

Preliminary Engineering

Recommended Change Package (RCP)

Cost Benefit Analysis

Assign AFOM

Technical Assessment

Review Cycle

O-6 Flags

Decision Board

Recommendation to MDA

Preliminary Design & Development

Recommended Change Package (RCP)

Cost Benefit Analysis

Update AFOM

Technical Assessment

Review Cycle

O-6 Flags

Decision Board

Recommendation to MDA

Procure and Install

Recommended Change Package (RCP)

Cost Benefit Analysis

Update AFOM

Technical Assessment

Review Cycle

Ship Change Document

Program Alt

Fleet Alt

System Design Effort

Modification System Performance Specification

System Design Effort

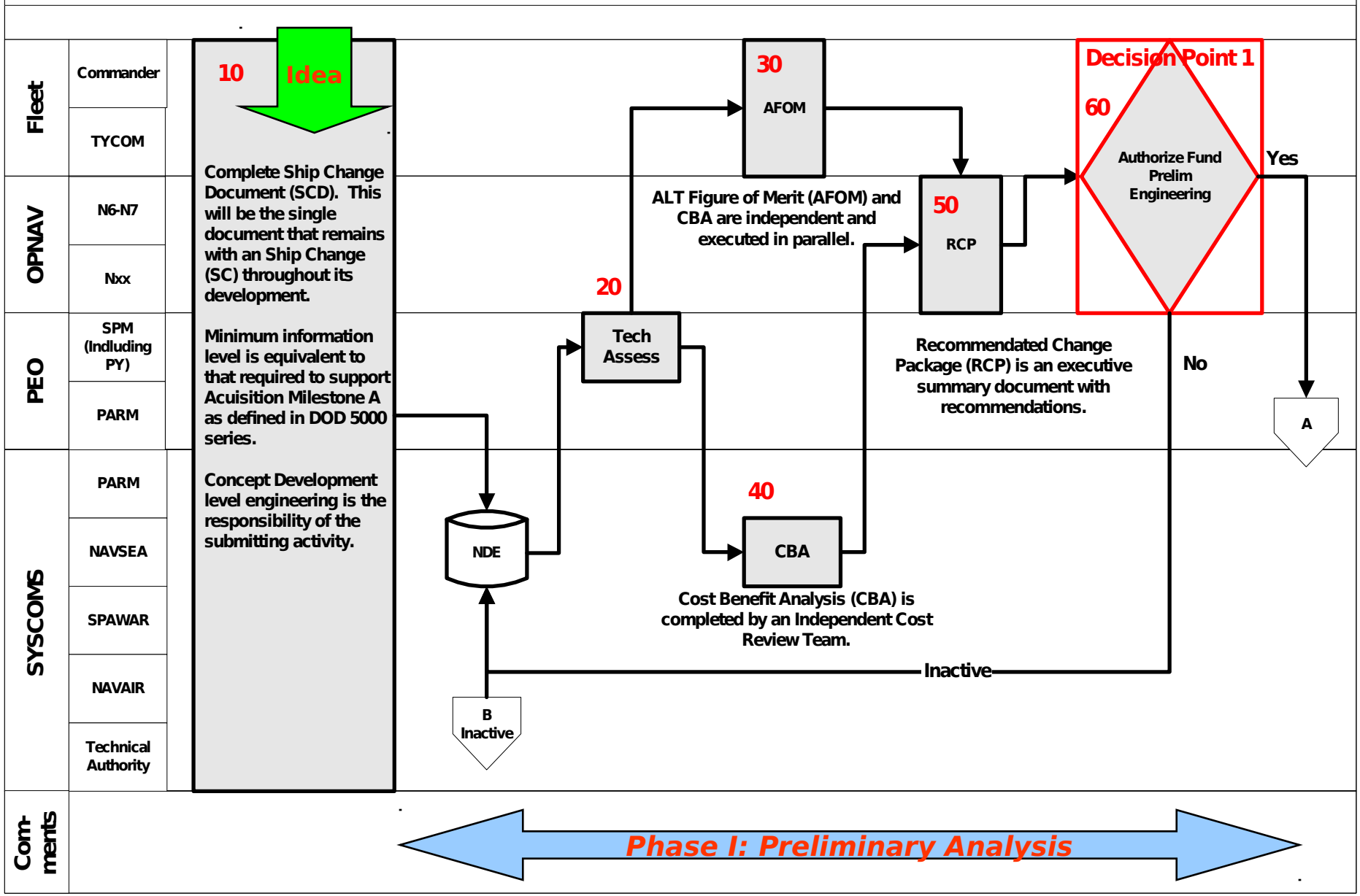
Modification System Detail Specification

Procure & Install

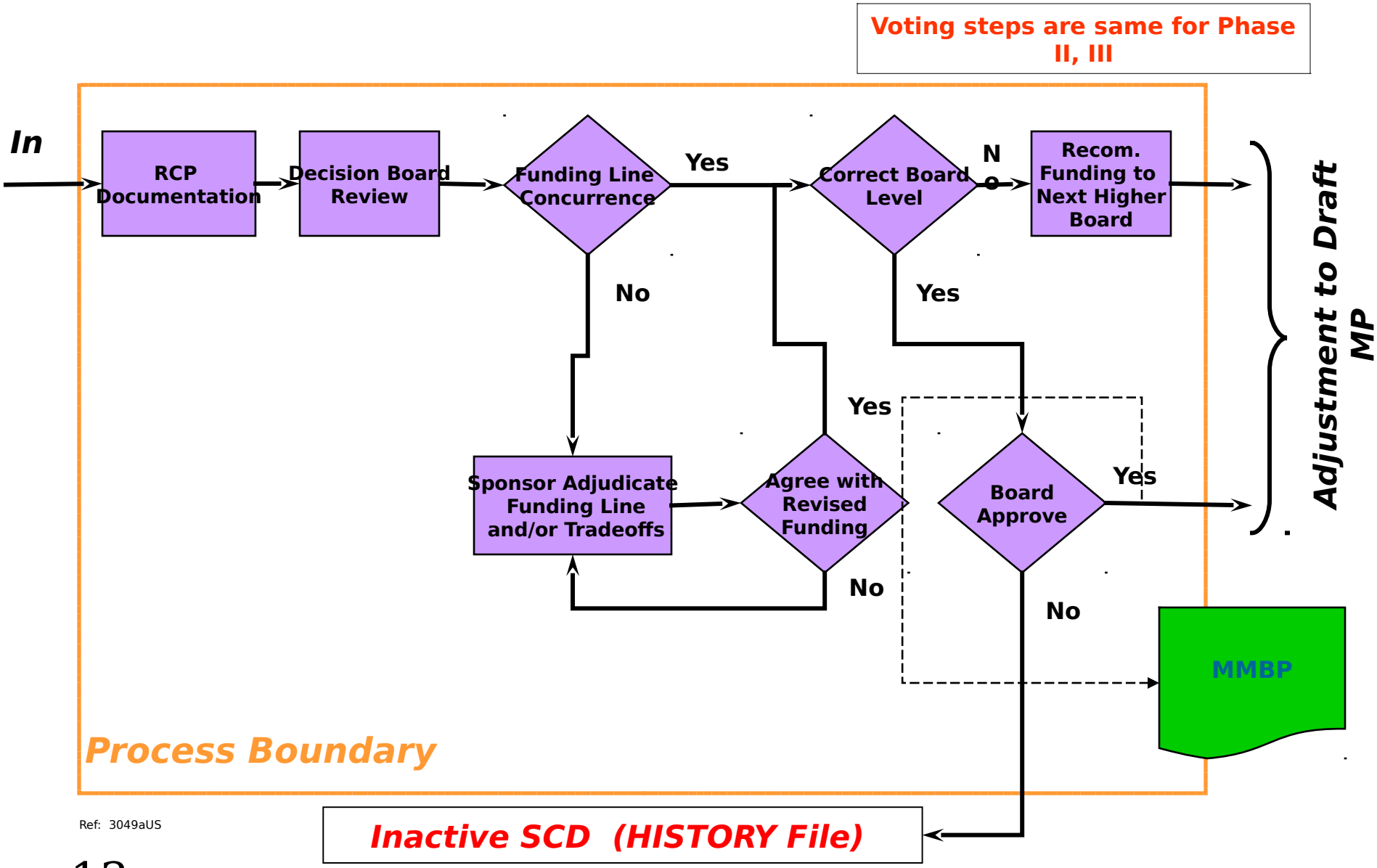
Module 1

SHIPMAIN Alt & Mod Process

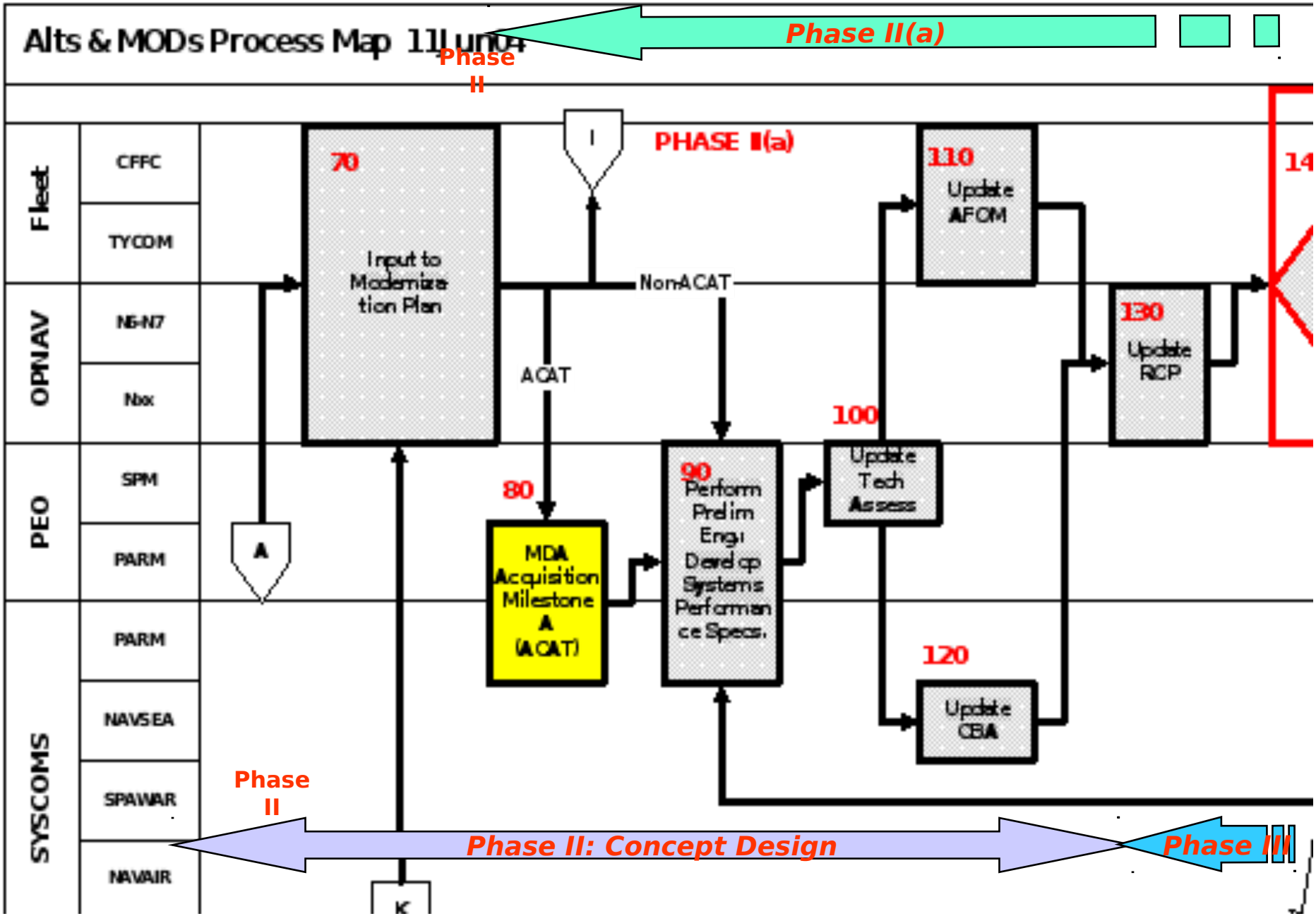
Alts & MODs Process Map 11Jun04

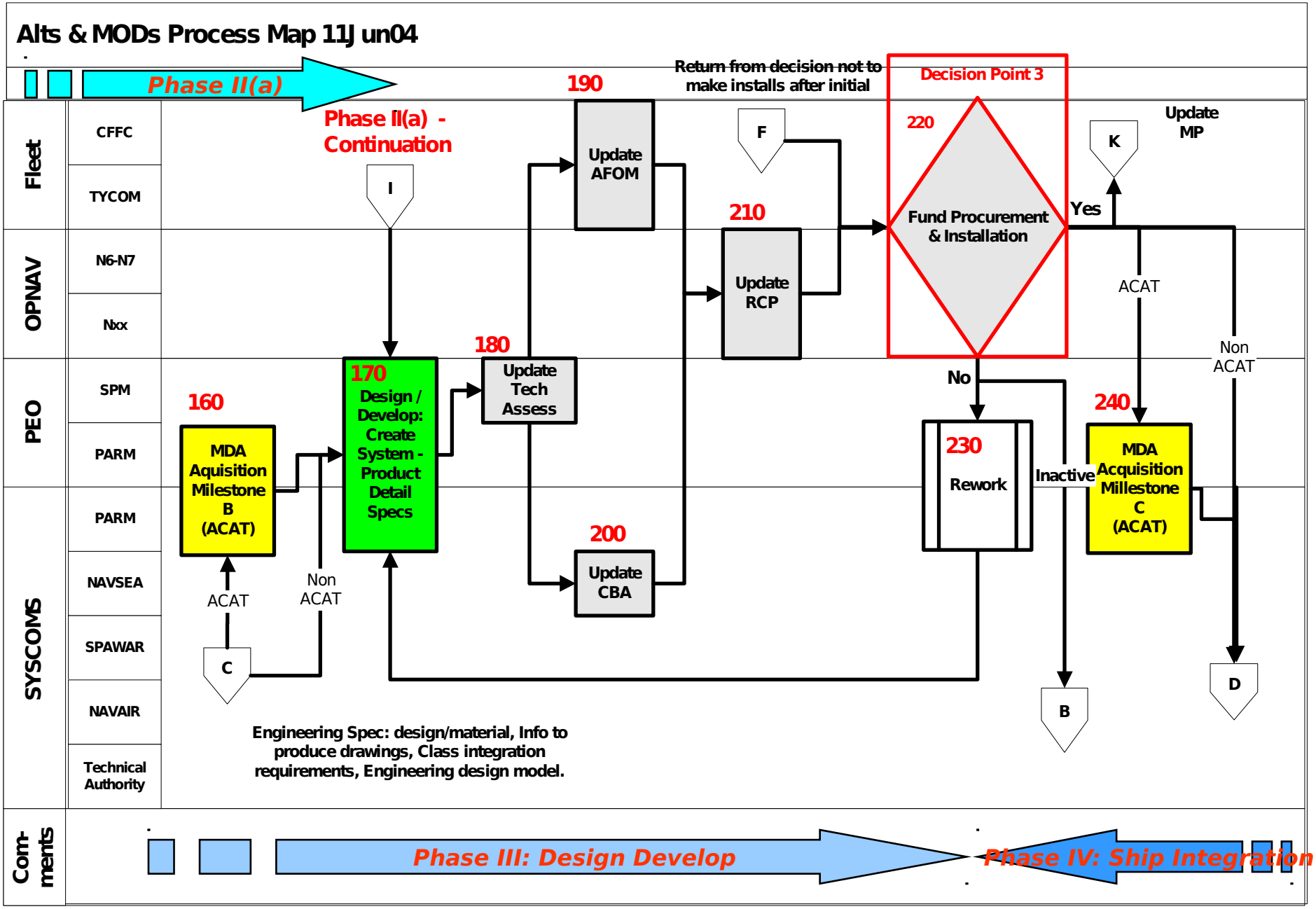


Generic Decision Board Process for Voting and Resourcing for Decision Points 1,2,3



Ref: 3049aUS

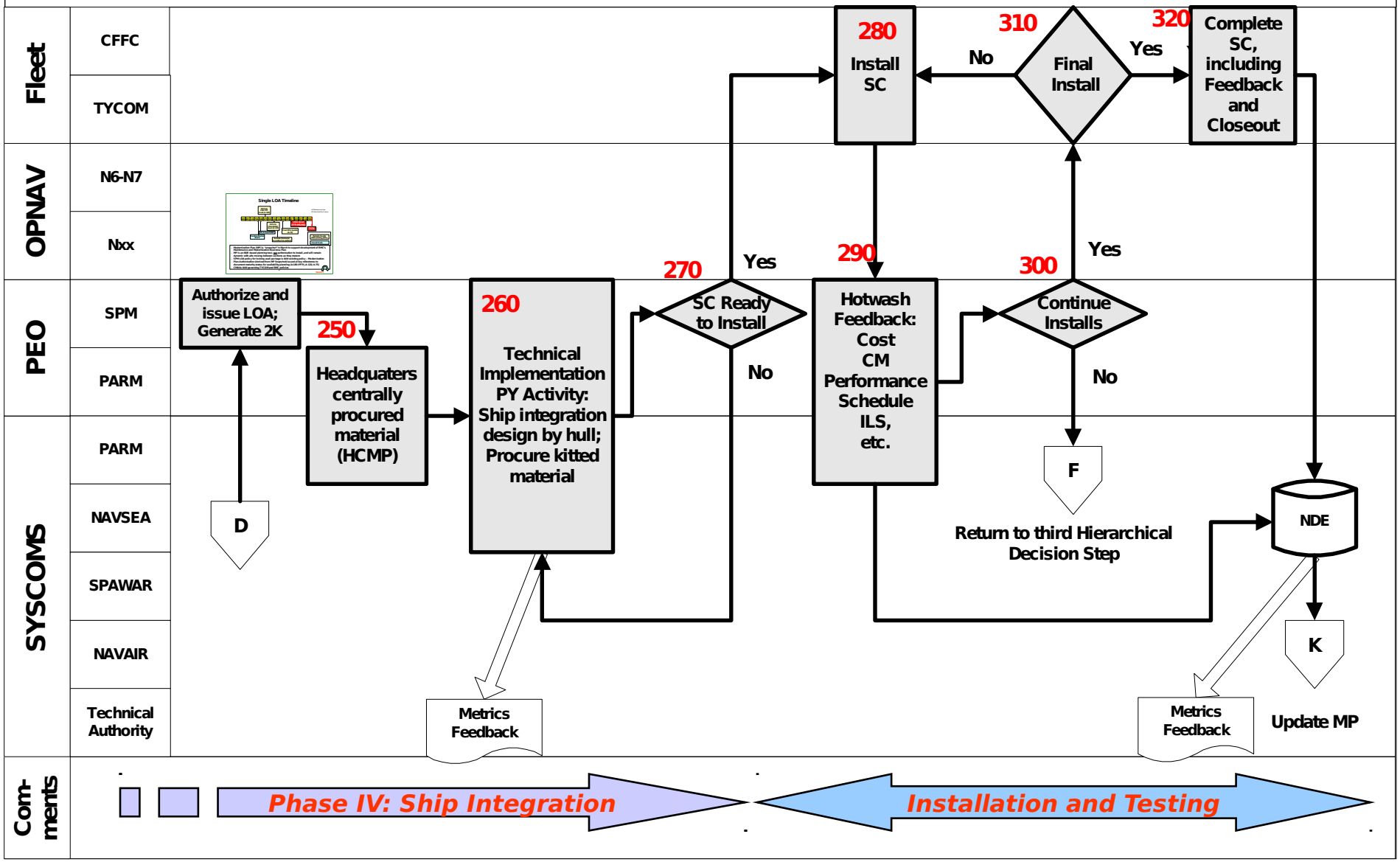

Alts & MODs Process Map 11Jun04
Phase II
Phase II(a)
PHASE II(a)
Fleet
CFFC
TYCOM
OPNAV
N6-N7
Nxx
PEO
SPM
PARM
SYSCOMS
PARM
NAVSEA
SPAWAR
NAVAIR
70
Input to Modernization Plan
I
NonACAT
ACAT
80
MDA Acquisition Milestone A (ACAT)
A
90
Perform Prelim Engr Develop Systems Performance Specs.
100
Update Tech Assess
110
Update AFOM
120
Update CBA
130
Update RCP
14
Phase II
Phase II: Concept Design
Phase III
K



PHASE III

Module 1

Alts & MODs Process Map 11Jun04



Additional Resources for SHIPMAIN EP Information

FMP Website:

http://www.fmp.navy.mil/FMPACTIVE/BusinessPolicy/FMPDocuments/shipmain.htm

** Includes a list of Frequently Asked Questions
** Link to Supplemental ILS Module

CNSL SPEAR Site:

http://www.spear.navy.mil/SHIPMAIN

** Includes a link to the Maintenance University Website
** Entitled Process Points of Contact

Additional Resources for SHIPMAIN EP Information

SUBMEPP Website:

http://www.submepp.navy.mil/JFMM/ACN/ACN.htm

**** ACN 02-04 to the JFMM**
**** Official promulgation of the new process**